

**A. GENERAL INFORMATION**

TRADE NAME (COMMON NAME OR SYNONYM) Flake Calcium Chloride Powdered Calcium Chloride		<input checked="" type="checkbox"/> C.A.S. NO. <input type="checkbox"/> ALLIED PRODUCT CODE # 10035-04-8	
CHEMICAL NAME Calcium Chloride, Dihydrate			
FORMULA CaCl ₂ · 2H ₂ O		MOLECULAR WEIGHT 147.02	
COMPANY/PLANT ADDRESS (No., STREET, CITY, STATE AND ZIP CODE) Chemicals Company P.O. Box 1139R Morristown, N.J. 07960			
CONTACT Director - Technical Service	PHONE NUMBER (315) 487-4990	ISSUED DATE June 12, 1980	REVISED DATE

B. FIRST AID MEASURES

EMERGENCY PHONE NUMBER (201) 455-2000	
<p><u>Skin:</u> Wash with plenty of water.</p> <p><u>Eyes:</u> Flush promptly with plenty of water for at least 15 minutes and get medical attention.</p> <p><u>Ingestion:</u> Drink large amount of water to dilute the material. Do not induce vomiting.</p> <p>Get medical attention for irritation, ingestion or discomfort from inhalation.</p>	

C. HAZARDS INFORMATION**FIRE AND EXPLOSION**

FLASH POINT Not Flammable <input type="checkbox"/> OPEN CUP <input type="checkbox"/> CLOSED CUP	AUTO IGNITION TEMPERATURE NA - Not Applicable	FLAMMABLE LIMITS IN AIR (% BY VOL.) LOWER NA UPPER NA
UNUSUAL FIRE AND EXPLOSION HAZARDS		

HEALTH

INHALATION Dust inhalation may irritate nose, throat, and lungs.	
INGESTION Although low in toxicity, ingestion can be harmful - consult a physician. May irritate mouth, esophagus, stomach, etc.	
SKIN May cause skin irritation, especially under prolonged contact or when moisture is present.	
EYES May irritate or burn eyes.	
PERMISSIBLE CONCENTRATION: AIR (SEE SECTION J)	No TLV established
BIOLOGICAL	
UNUSUAL CHRONIC TOXICITY	

D. PRECAUTIONS/PROCEDURES

VENTILATION

Ventilation should maintain dust levels consistent with generally accepted industrial hygiene and housekeeping practices. Packaging and unloading areas and open processing equipment should be equipped with mechanical exhaust systems.

NORMAL HANDLING

When dissolving, add to water cautiously and with stirring. Avoid splashes, because solutions can get hot.

STORAGE

Store in a cool, dry area. Prolonged storage may cause product to cake and become wet from atmospheric moisture.

PRECAUTIONARY LABEL ☐ ATTACHED ☒ NOT ATTACHED

Label warning statement(s): "Caution! Harmful if swallowed. May cause eye injury or skin burns. Contact with moisture generates a great amount of heat".

SPILL OR LEAK

Shovel up dry chemical and place in metal drum with a cover. Cautiously spray residue with plenty of water. (See Section I for disposal methods.)

FIRE EXTINGUISHING AGENTS RECOMMENDED

NA

SPECIAL FIRE FIGHTING PRECAUTIONS

NA

FIRE EXTINGUISHING AGENTS TO AVOID

NA

SPECIAL PRECAUTIONS/PROCEDURES

E. PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

Where required, use a respirator approved by NIOSH for product dusts.

EYES AND FACE

As a minimum, wear hard hat and chemical safety goggles. Do not wear contact lenses.

HANDS, ARMS, AND BODY

As a minimum, wear long-sleeve shirt and trousers, boots and gloves for routine product use. Cotton gloves permitted for dry product, impervious gloves when using solutions.

OTHER CLOTHING AND EQUIPMENT

F. PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS): <input type="checkbox"/> LIQUID <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> GAS <input type="checkbox"/> _____		APPEARANCE AND ODOR Small white flakes. Odorless.	
BOILING POINT °C	SPECIFIC GRAVITY (H ₂ O = 1)	VAPOR DENSITY (AIR = 1)	
MELTING POINT 176 °C	0.84	NA	
SOLUBILITY IN WATER (% by weight)	pH	VAPOR PRESSURE (mm Hg at 20° C)	
42% solution* at 20°C	1% solution*; pH = 9.4	NA	
EVAPORATION RATE (Butyl Acetate = 1)	% VOLATILES BY VOLUME (At 20° C)		
NA	NA	* anhydrous basis	

G. REACTIVITY DATA

STABILITY <input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	CONDITIONS TO AVOID
INCOMPATIBILITY (MATERIALS TO AVOID) Generates considerable heat when contacted with water.	
HAZARDOUS DECOMPOSITION PRODUCTS	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID

H. HAZARDOUS INGREDIENTS (Mixtures Only)

MATERIAL OR COMPONENT	%	HAZARD DATA (SEE SECT. J)
NA		

J. ENVIRONMENTAL

DEGRADABILITY

OCTANOL/WATER PARTITION COEFFICIENT

WASTE DISPOSAL METHODS*

Dissolve in water using caution as solution can get very hot.
Flush to sewer with plenty of water if permitted by applicable
disposal regulations. Waste may have to be disposed of by an approved
contractor.

*DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS.

1. REFERENCES

PERMISSIBLE CONCENTRATION REFERENCES

REGULATORY STANDARDS

DOT Classification - Not Regulated (49 CFR).

GENERAL

K. ADDITIONAL INFORMATION

This product is not for food or drug use.

THIS PRODUCT SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND
INVESTIGATION.

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